ALPSVG110S (8-SOIC)

FEATURES:

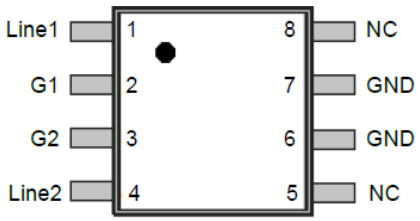
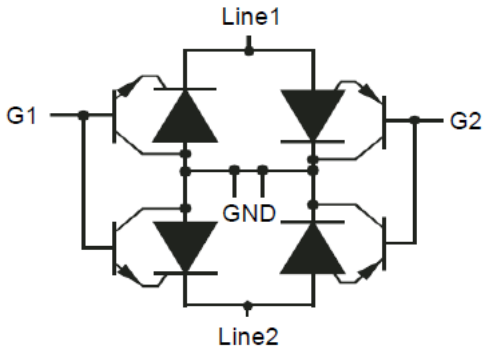
- 8-SOIC package
- High Performance Protection for SLICs
- Wide Programming Range (-110V to +110V)
- Low gate triggering current 5 mA max
- Surge capability does not degrade after multiple surge events within its ratings
- Maximum working voltage 120V
- Non-repetitive peak impulse current

  10/1000µS (Telcordia GR-1089-CORE) ±30A

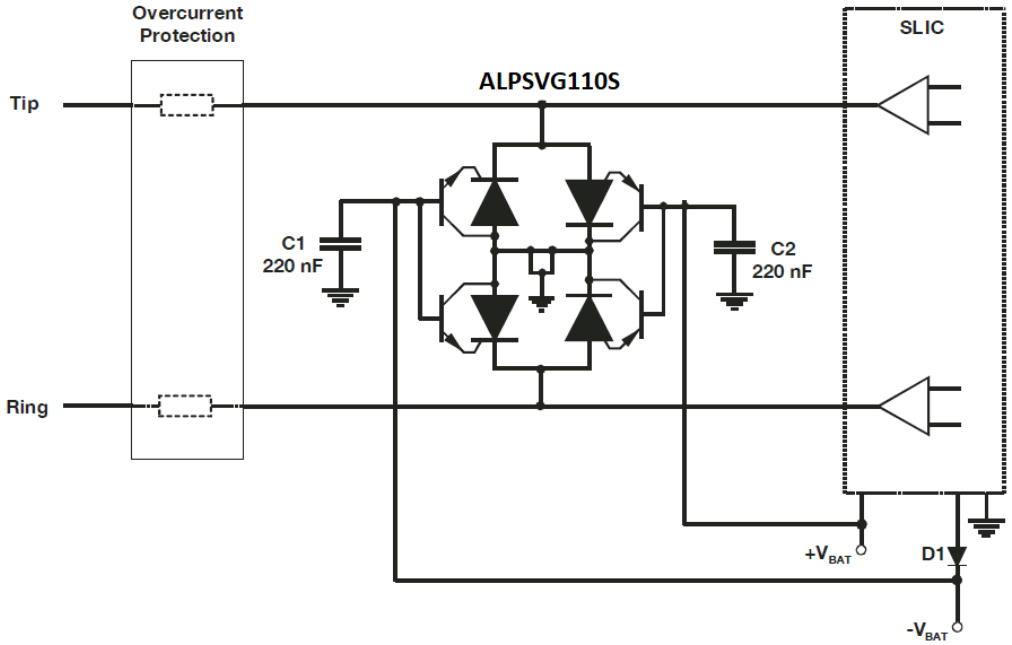
  5/310µS (ITU-T K.20, K.21, K.45, K.44) ±68A

  2/10µS (Telcordia GR-1089-CORE) ±100A

PACKAGE & SCHEMATIC

PACKAGE	SIMPLIFIED OUTLINE	SCHEMATIC DIAGRAM
		

TYPICAL APPLICATION



SLIC Protection Circuit

ALPSVG110M (8-SOIC)

FEATURES:

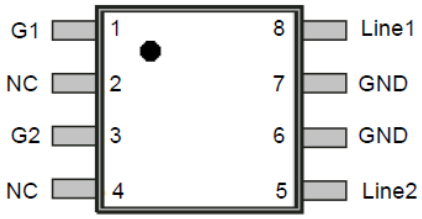
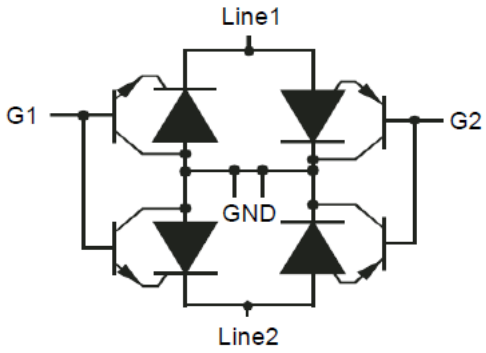
- 8-SOIC package
- High Performance Protection for SLICs
- Wide Programming Range (-110V to +110V)
- Low gate triggering current 5 mA max
- Surge capability does not degrade after multiple surge events within its ratings
- Maximum working voltage 120V
- Non-repetitive peak impulse current

  10/1000µS (Telcordia GR-1089-CORE) ±50A

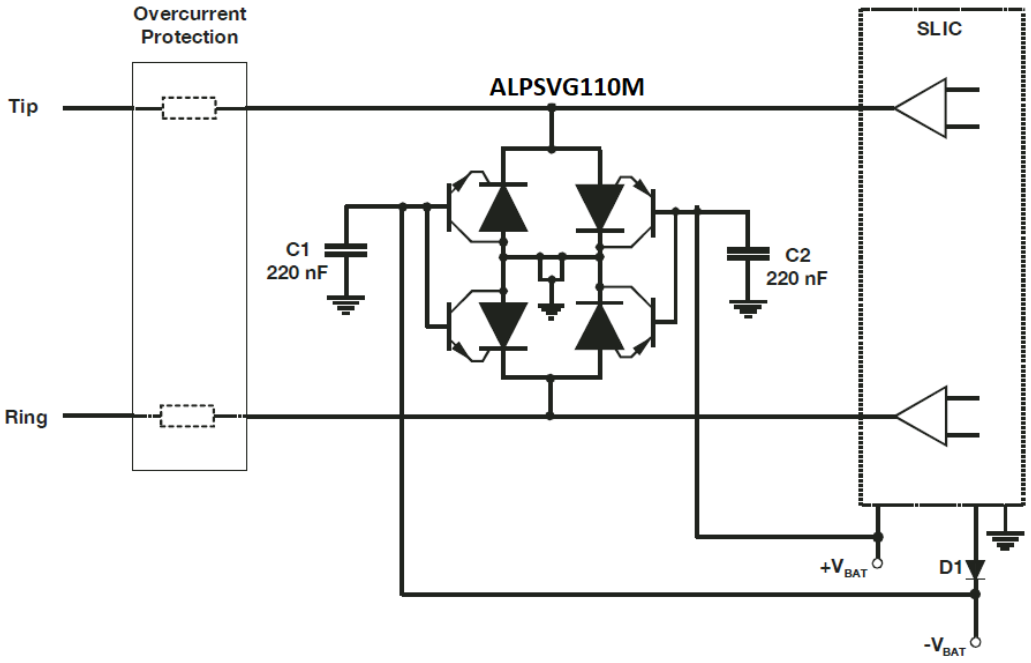
  5/310µS (ITU-T K.20, K.21, K.45, K.44) ±80A

  2/10µS (Telcordia GR-1089-CORE) ±150A

PACKAGE & SCHEMATIC

PACKAGE	SIMPLIFIED OUTLINE	SCHEMATIC DIAGRAM
		

TYPICAL APPLICATION



SLIC Protection Circuit

ALPSVG100D (SOP-8)

FEATURES:

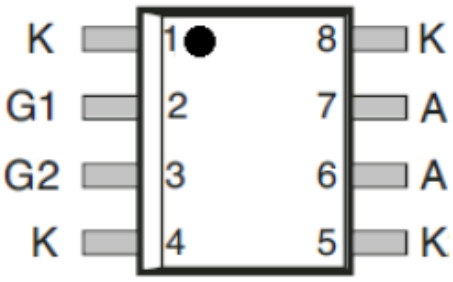
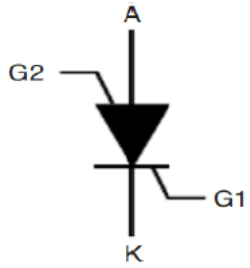
- SOP-8 package
- High Performance Protection for SLICs
- Wide Programming Range (-100V to +100V)
- High Surge Current Capability
- Surge capability does not degrade after multiple surge events within its ratings
- Unidirectional protection
- Maximum working voltage 100V
- Non-repetitive peak impulse current

  10/1000µS (Telcordia GR-1089-CORE) ±150A

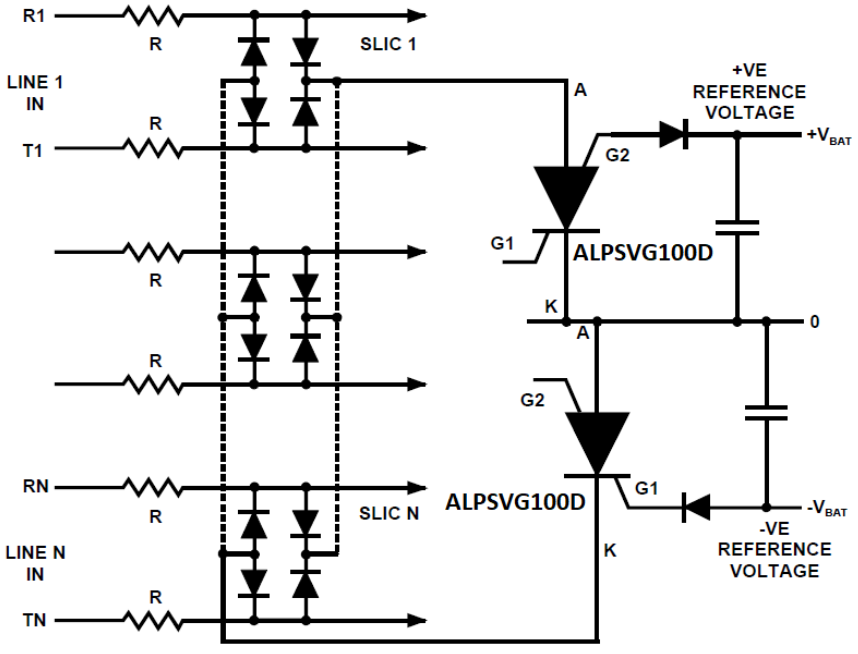
  5/310µS (ITU-T K.20, K.21, K.45, K.44) ±150A

  8/20µS (Telcordia GR-1089-CORE) ±500A

PACKAGE & SCHEMATIC

PACKAGE	SIMPLIFIED OUTLINE	SCHEMATIC DIAGRAM
		

TYPICAL APPLICATION



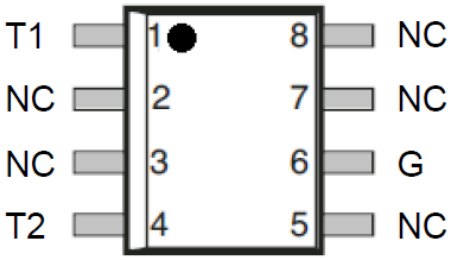
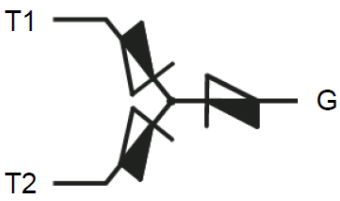
SLIC Protection Circuit

ALPSVG008D (SOP-8)

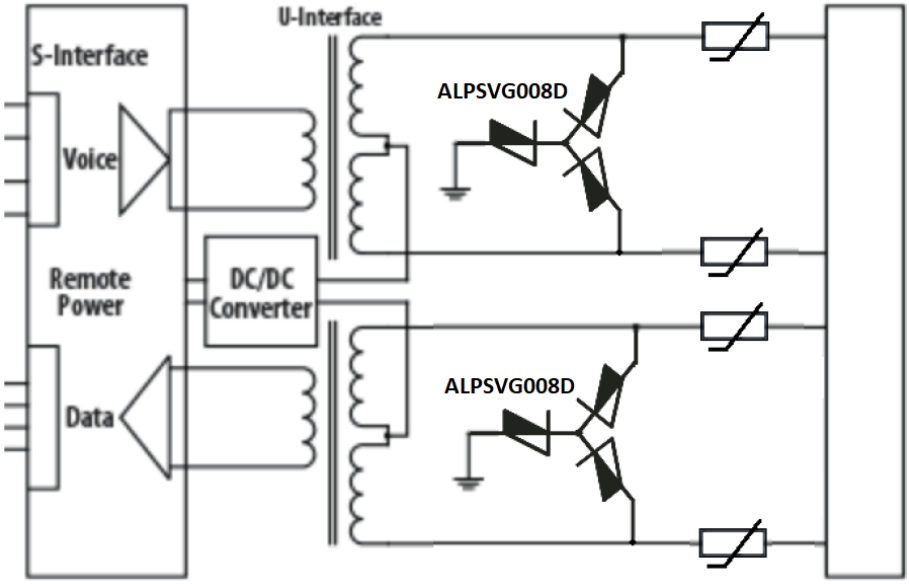
FEATURES:

- SOP-8 package
- Low voltage overshoot
- Low on-state voltage
- Low capacitance
- Maximum working voltage 8V
- Non-repetitive peak impulse current
  10/1000µS (Telcordia GR-1089-CORE) ±30A
  5/310µS (ITU-T K.20, K.21, K.45, K.44) ±40A
  8/20µS (Telcordia GR-1089-CORE) ±150A

PACKAGE & SCHEMATIC

PACKAGE	SIMPLIFIED OUTLINE	SCHEMATIC DIAGRAM
		

TYPICAL APPLICATION



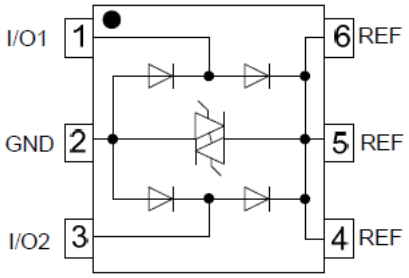
ISDN Protection Circuit

ALPSVG024G (SOT23-6)

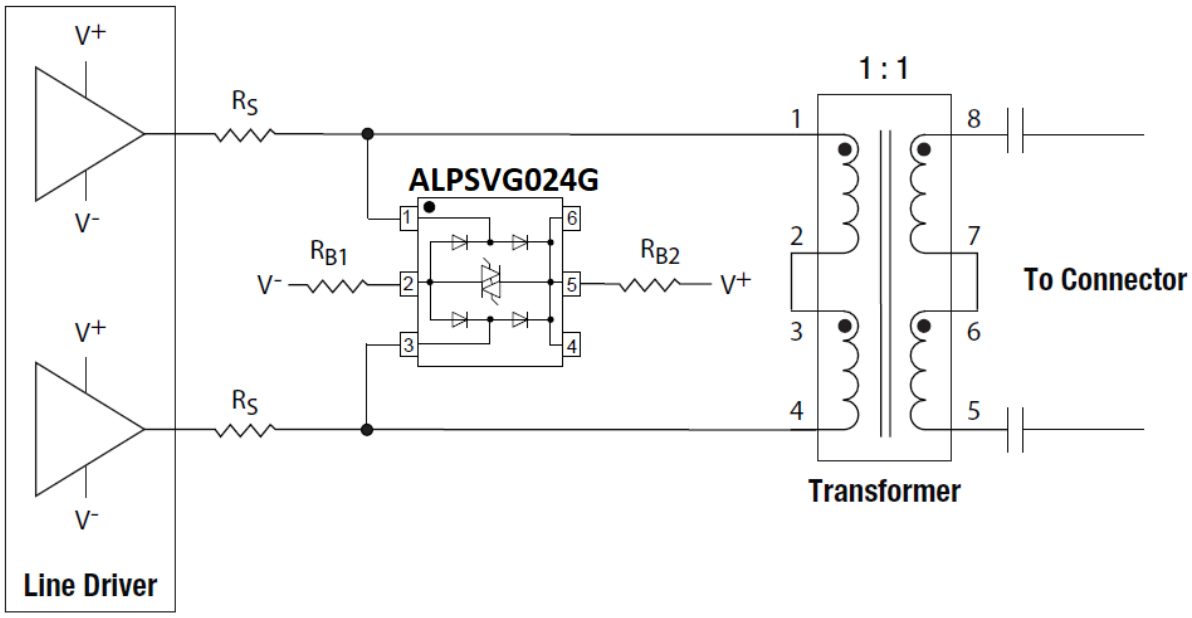
FEATURES:

- SOT23-6 package
- Compatible with VDSL2, ADSL2 and with G.fast
- Low leakage current
- Balanced overvoltage protection
- Low clamping voltage
- Response time under 500ns
- Low capacitance (1.1pF typical)
- Maximum working voltage 24V
- IEC61000-4-2 (ESD)±15kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT)40A(5/50ns)
- IEC 61000-4-5 (Lightning) 40A (8/20 µs)

PACKAGE & SCHEMATIC

PACKAGE	SCHEMATIC DIAGRAM
	

TYPICAL APPLICATION



G. Fast Protection Circuit

ALPSVG170D (SOP-8)

FEATURES:

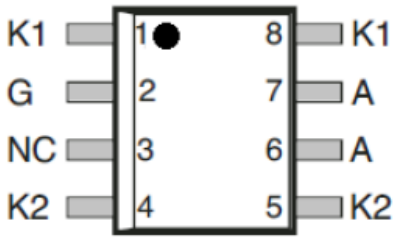
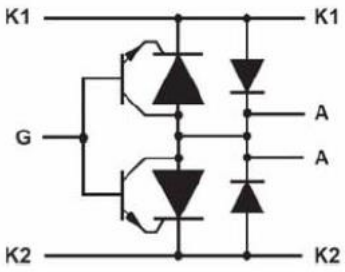
- SOP-8 package
- High Performance Protection for SLICs
- Wide Programming Range(-167V max)
- High Surge Current Capability
- Surge capability does not degrade after multiple surge events within its ratings
- Maximum working voltage 170V
- Non-repetitive peak impulse current

  10/1000µS (Telcordia GR-1089-CORE) ±30A

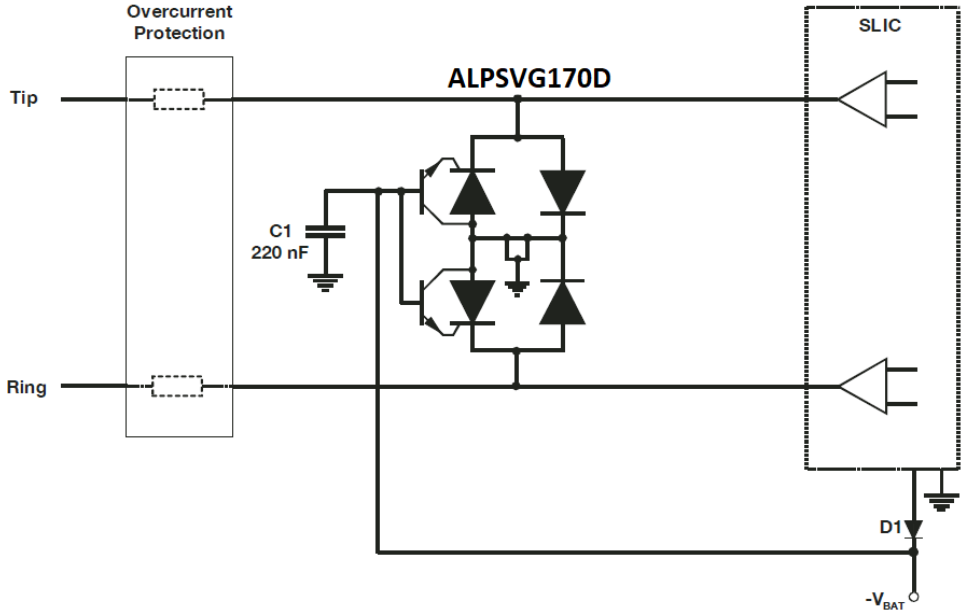
  5/310µS (ITU-T K.20, K.21, K.45, K.44) ±40A

  2/10µS (Telcordia GR-1089-CORE) ±120A

PACKAGE & SCHEMATIC

PACKAGE	SIMPLIFIED OUTLINE	SCHEMATIC DIAGRAM
		

TYPICAL APPLICATION



SLIC Protection Circuit

ALPSVG170Q (SOP-8)

FEATURES:

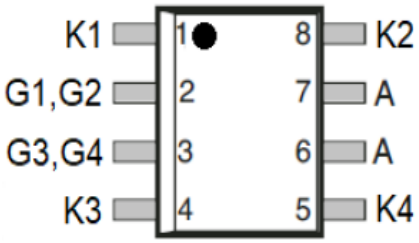
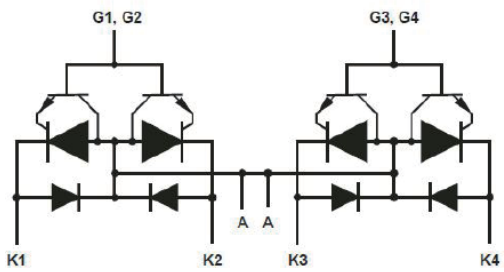
- SOP-8 package
- High Performance Protection for SLICs
- Wide Programming Range (-167V max)
- High Surge Current Capability
- Surge capability does not degrade after multiple surge events within its ratings
- Maximum working voltage 170V
- Non-repetitive peak impulse current

  10/1000µS (Telcordia GR-1089-CORE) ±25A

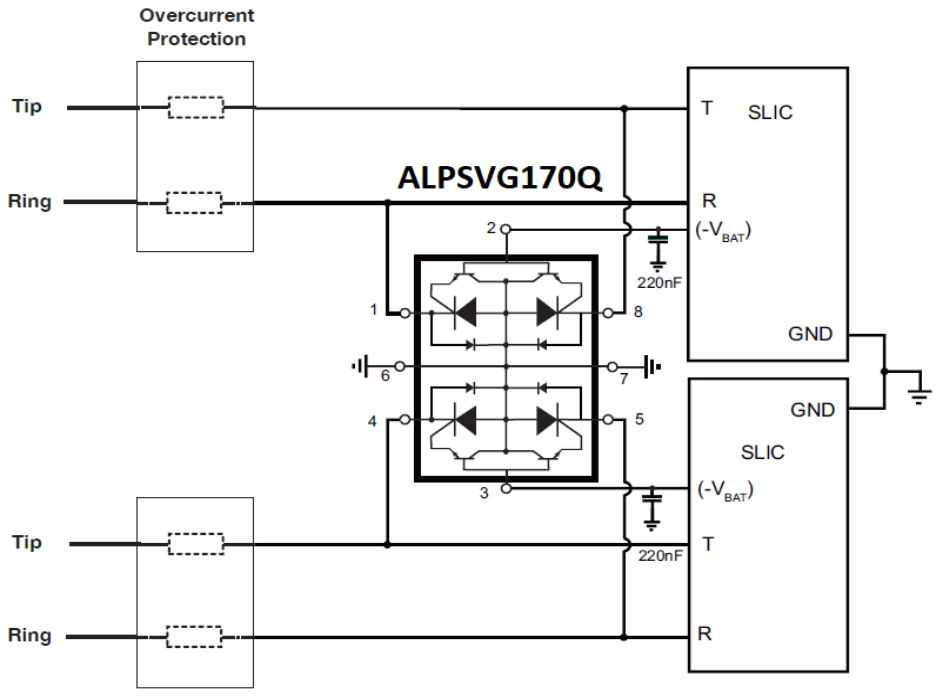
  5/310µS (ITU-T K.20, K.21, K.45, K.44) ±40A

  2/10µS (Telcordia GR-1089-CORE) ±90A

PACKAGE & SCHEMATIC

PACKAGE	SIMPLIFIED OUTLINE	SCHEMATIC DIAGRAM
		

TYPICAL APPLICATION



SLIC Protection Circuit