

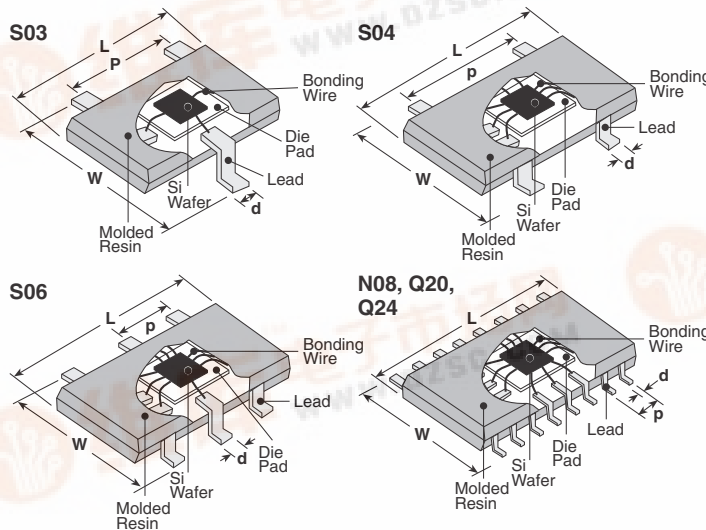
features

- Fast reverse recovery time
- Low capacitance
- 16 kV IEC61000-4-2 capable
- Products with lead-free terminations meet EU RoHS and China RoHS requirements
- Fast turn on time
- SMD packages

applications

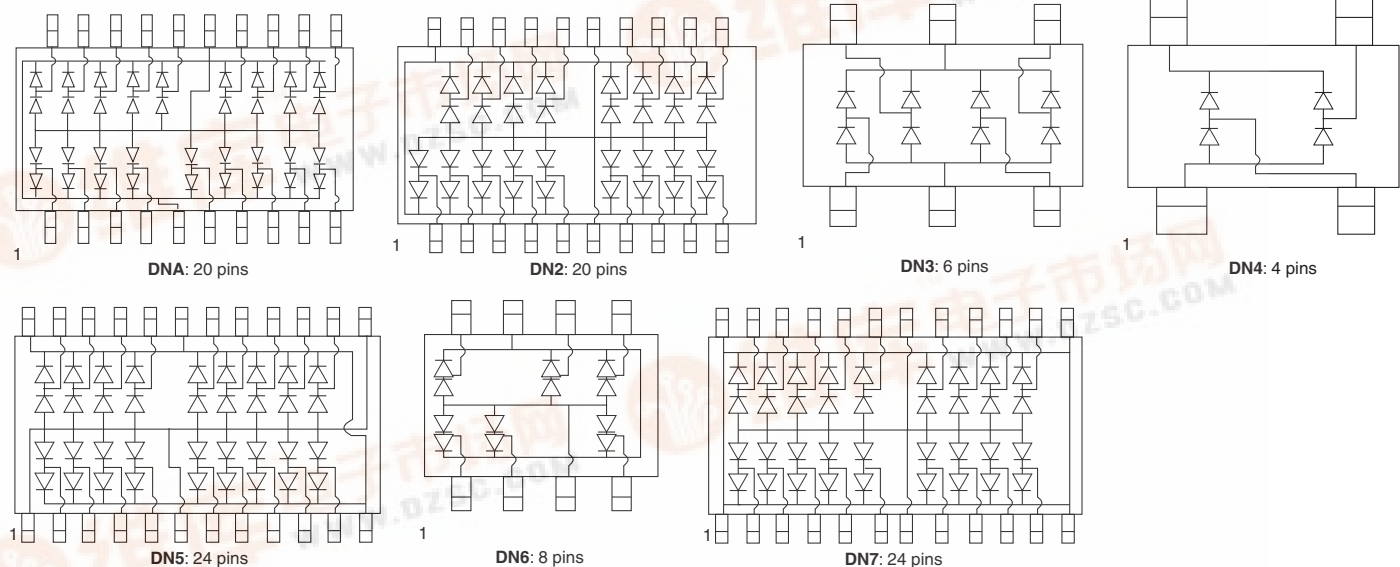
- Signal termination
- Signal conditioning
- ESD suppression
- Transient suppression

dimensions and construction



Package Code	Total Power	Pins	Dimensions inches (mm)				
			L ±0.2	W ±0.2	p ±0.1	Pkg Ht ±0.2	d ±0.05
S03	225mw	3	.115 (2.92)	.091 (2.30)	.075 (1.91)	.037 (0.95)	.017 (0.43)
S04	225mw	4	.115 (2.92)	.091 (2.30)	.075 (1.91)	.037 (0.95)	.017 (0.43)
S06	225mw	6	.115 (2.92)	.110 (2.80)	.037 (0.95)	.037 (0.95)	.017 (0.43)
N08	400mw	8	.190 (4.83)	.236 (5.99)	.050 (1.27)	.063 (1.60)	.016 (0.41)
Q20	1000mw	20	.341 (8.66)	.236 (5.99)	.025 (0.635)	.063 (1.60)	.010 (0.25)
Q24	1000mw	24	.341 (8.66)	.236 (5.99)	.025 (0.635)	.063 (1.60)	.010 (0.25)

circuit schematic



For further information on packaging, please refer to Appendix A.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

11/21/08

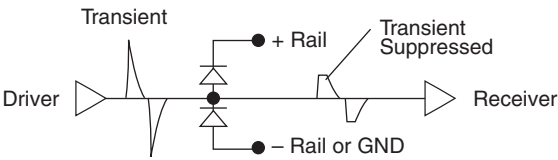
ordering information

New Part #	DNA	Q20	T	TEB
	Type	Package Symbol	Termination Material	Packaging
	DNA	Package type symbol + number of pins	T: Sn	TE: 7" embossed plastic
	DN2	S03: 3 pin SOT23	(Other termination styles available, contact factory for options)	TEB: 13" embossed plastic tape
	DN3	S04: 4 pin SOT23		
	DN4	S06: 6 pin SOT23		
	DN5	N08: 8 pin Narrow SOIC		
	DN6	Q20: 20 pin QSOP		
	DN7	Q24: 24 pin QSOP		

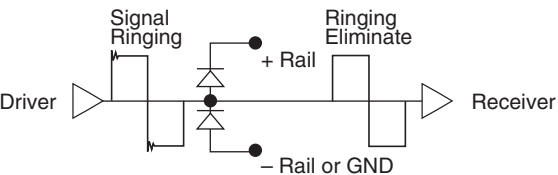
circuit protection

application schematic

ESD Suppression



Signal Conditioning



applications and ratings

Part Designation	Forward Voltage 1F=50ma	Reverse Breakdown Voltage 1R=1ma	Leakage Current @7V	Capacitance @1Mhz	ESD Voltage Capability IEC 61000-4-2	Operating Temperature Range	Continuous Forward Current*
DN(X)	0.4 to 1.2V	7.2V	1uA	2pF	16kV	-55°C to +125°C	50mA

* One diode conducting