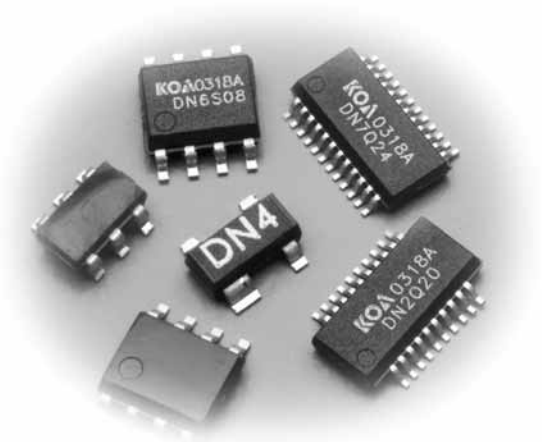


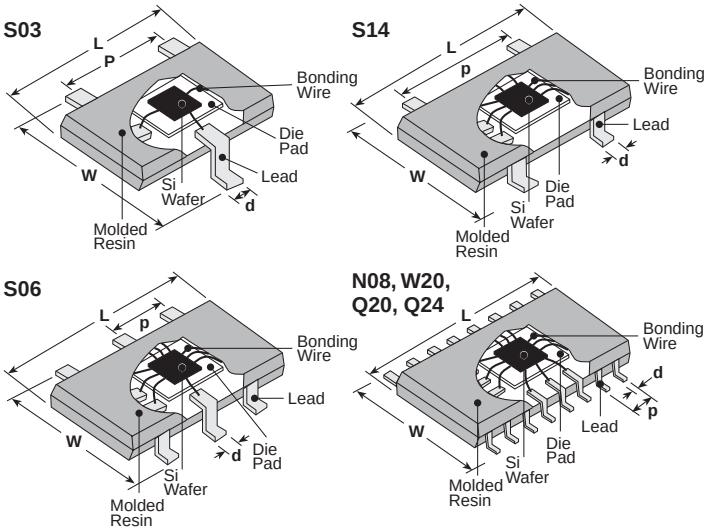
features

- 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

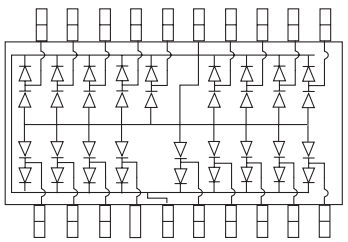
- Signal termination
- Signal conditioning
- ESD suppression
- Transient suppression

dimensions and construction

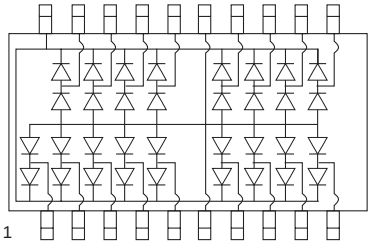


Package Code	Total Power	Pins	Dimensions inches (mm)				
			L ±0.2	W ±0.2	p ±0.1	Pkg Ht ±0.2	d ±0.05
S03	225mw	3	.115 (2.92)	.091 (2.30)	.075 (1.91)	.037 (0.95)	.017 (0.43)
S14	225mw	4	.115 (2.92)	.091 (2.30)	.075 (1.91)	.037 (0.95)	.017 (0.43)
S06	225mw	6	.115 (2.92)	.110 (2.80)	.037 (0.95)	.037 (0.95)	.017 (0.43)
N08	400mw	8	.190 (4.83)	.236 (5.99)	.050 (1.27)	.063 (1.60)	.016 (0.41)
W20	1200mw	20	.500 (12.7)	.408 (10.36)	.050 (1.27)	.084 (2.40)	.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)

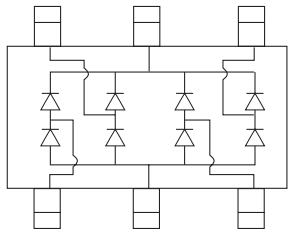
circuit schematic



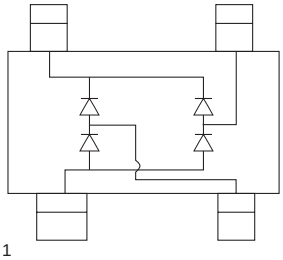
DNA: 20 pins



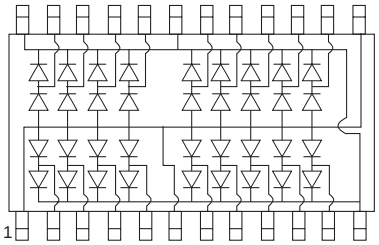
DN2: 20 pins



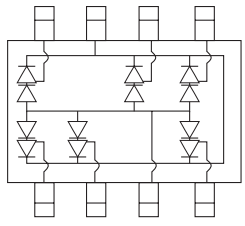
DN3: 6 pins



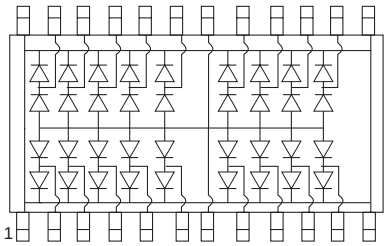
DN4: 4 pins



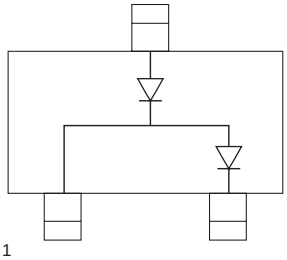
DN5: 24 pins



DN6: 8 pins



DN7: 24 pins



DN8

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

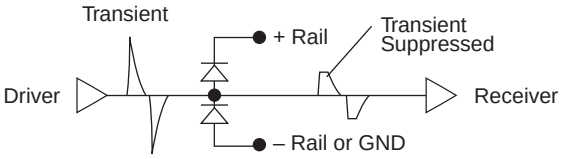
ordering information

New Part #

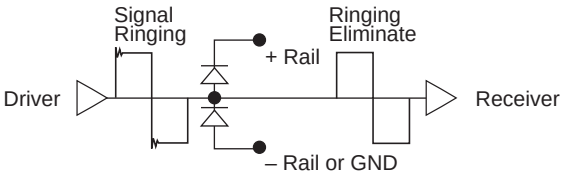
DNA	Q20	T	TEB
Type	**Package Symbol**	**Termination Material**	**Packaging**
DNA DN2 DN3 DN4 DN5 DN6 DN7 DN8	Package type symbol + number of pins S03: 3 pin SOT23 S14: 4 pin SOT23 S06: 6 pin SOT23 N08: 8 pin Narrow SOIC W20: 20 pin Wide SOIC Q20: 20 pin QSOP Q24: 24 pin QSOP	T: Sn (Other termination styles available, contact factory for options)	TE: 7" embossed plastic TEB: 13" embossed plastic tape

application schematic

ESD Suppression



Signal Conditioning



applications and ratings

Part Designation	Forward Voltage 1_F=50ma	Reverse Breakdown Voltage 1_R=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