SOT143 4-PIN SMT Package



SOT143 Series

- Ratio tolerances to ±0.05%
- Small, industry standard package
- Standard and custom circuits available
- Standard Sn/Pb and Pb-free terminations available



Specifications

Value
To ±0.1%
To ±0.05%
To ±25ppm/°C
To ±2ppm/°C
250mW
100mW
100V
-55°C to +125°C
<-30dB
Silicon

Environmental Data

Test Per MIL-PRF-83401	Typical Delta R	Max Delta R
Thermal Shock	±0.02%	±0.1%
Power Conditioning	±0.03%	±0.1%
High Temperature Exposure	±0.03%	±0.05%
Short-time Overload	±0.02%	±0.05%
Low Temperature Storage	±0.03%	±0.05%

Power Derating Curve





General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

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Schematics



Schematic / Circuit Detail

Circuit Details for Schematic A			
Schematic/Circuit Code	R1 (Ω)	R2 (Ω)	R3 (Ω)
A001	500.0	50.0K	50.0K
A002	10.0K	10.0K	10.0K
A003	900.0	100.0	9.0K
A004	500.0	48.0K	48.0K
A005	200.0	40.0K	40.0K

Circuit Details for Schematic B			
Schematic/Circuit Code	R1 (Ω)	R2 (Ω)	R3 (Ω)
B001	10.0K	10.0K	10.0K
B002	900.0	100.0	9.0K
B003	1.0K	10.0K	10.0K

Circuit Details for Schematic C			
Schematic/Circuit Code	R1 (Ω)	R2 (Ω)	R3 (Ω)
C001	N/A	10.0K	10.0K
C002	N/A	1.0K	1.0K
C003	N/A	9.0K	1.0K
C004	N/A	750.0	750.0
C005	N/A	100K	100K
C006	N/A	33.0K	330.0
C007	N/A	2.0K	2.0K
C008	N/A	10.0K	2.0K
C009	N/A	10.0K	200.0
C010	N/A	2.1K	10.0K
C011	N/A	2.15K	10.0K
C012	N/A	10.0K	100K

Circuit Details for Schematic D			
Schematic/Circuit Code	R1 (Ω)	R2 (Ω)	R3 (Ω)
D001	121.0	1.33K	1.0K
D002	2.0K	1.0K	2.0K
D003	50.0K	5.0K	5.0K
D004	5.4K	5.4K	27.5K
D005	40.0K	40.0K	40.0K
D006	10.0K	10.0K	20.0K
D007	20.0K	20.0K	20.0K

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Physical Data



Ordering Procedure

