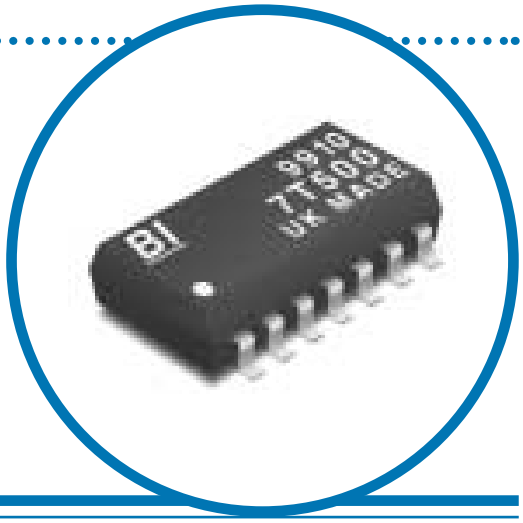
MODEL 627 T

Model 627 T Series

CCITT V.35 Termination
Surface Mount Resistor Networks



Electrical

Standard Resistance Tolerance, at 25°C	±2%
Operating Temperature Range	-55°C to +125°C
Temperature Coefficient of Resistance	±250ppm/°C
Temperature Coefficient of Resistance Tracking	±50ppm/°C
Voltage Coefficient of Resistance	±100ppm/°C
Maximum Operating Voltage	25Vdc
Insulation Resistance	≥10,000 Megohms

Environmental

Thermal Shock plus Power Conditioning	ΔR 0.70%
Short Time Overload	ΔR 0.25%
Moisture Resistance	ΔR 0.50%
Mechanical Shock	ΔR 0.25%
Vibration Shock	ΔR 0.25%
Low Temperature Operation	ΔR 0.25%
High Temperature Exposure	ΔR 0.50%
Load Life, 2,000 Hours (≤33 Ohms = ±0.5 Ohm)	ΔR 0.50%
Resistance to Solder Heat (Total immersion in solder at 280°C for 10 sec.)	ΔR 0.25%
Dielectric Withstanding Voltage	200V for 1 minute
Temperature Exposure, Maximum	215°C for 3 minutes
Marking Permanency	MIL-STD-202, Method 215
Lead Solderability	MIL-STD-202, Method 208
Flammability	UL-94V-O Rated
Storage Temperature Range	-55°C to +150°C

General Note
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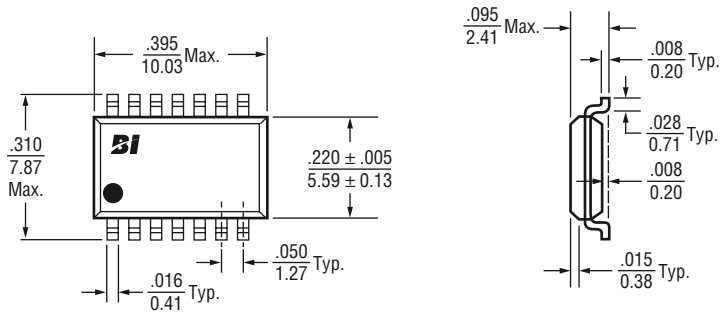
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Model 627 T Series

Mechanical

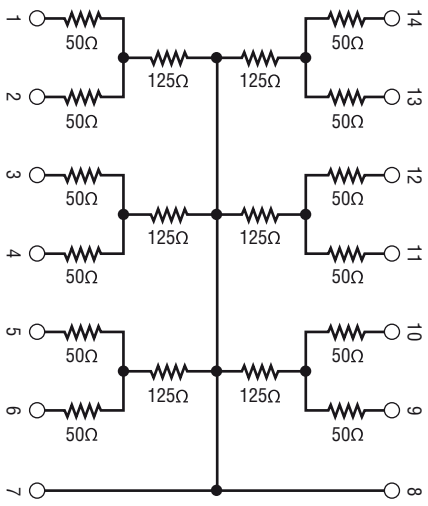
Lead Material	Copper alloy, 96-96.5% Sn, 3.5-4% Ag
Lead Configuration	Gull Wing
Lead Coplanarity	±0.002 in. (0.057mm)
Substrate Material	Alumina
Resistor Material	Cermet
Body Material	Epoxy

Outline dimensions (inch/mm)



Note: Maximum allowable mold excursion = 0.006”

Schematic



General Note

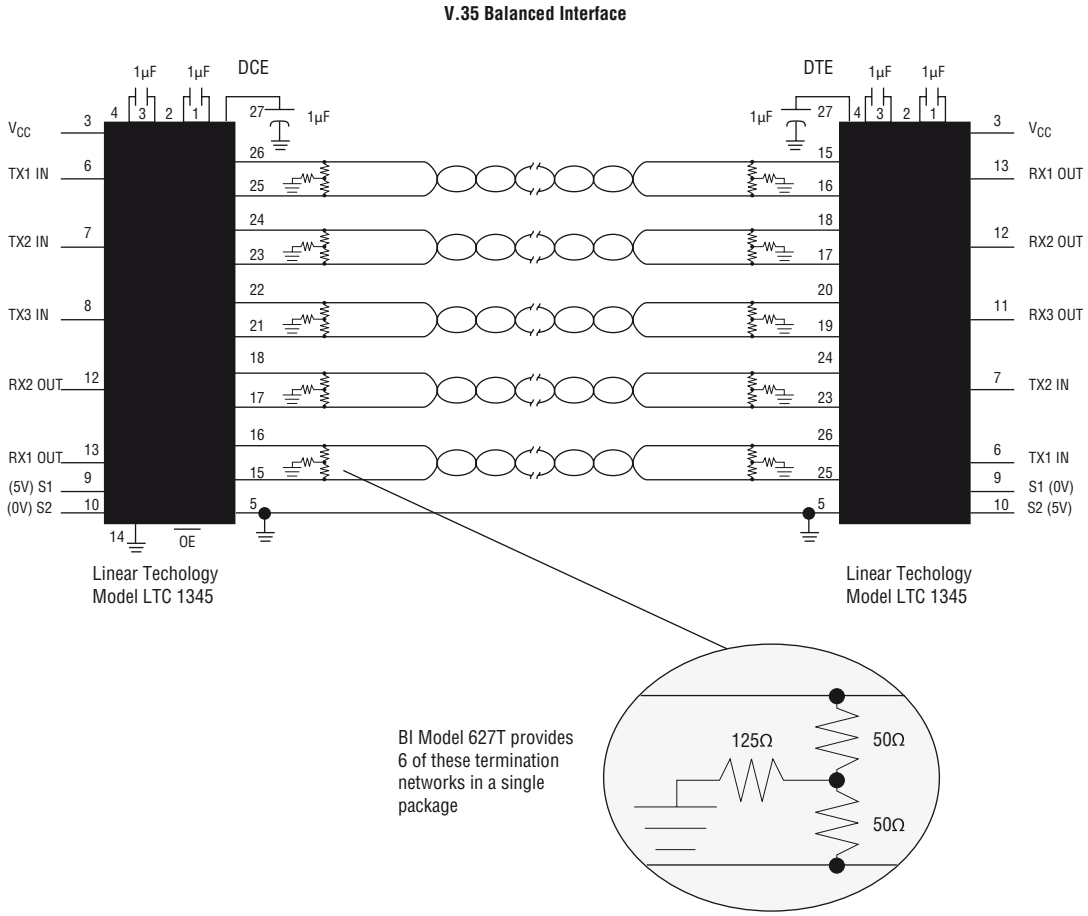
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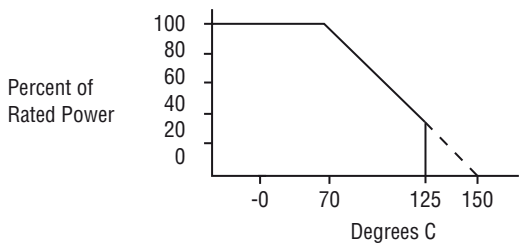
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Model 627 T Series

Typical Application



Power Derating Curve



Power Dissipation, Watts At 70°C

Model	Package	Per Resistor
627 T	1.28	0.25

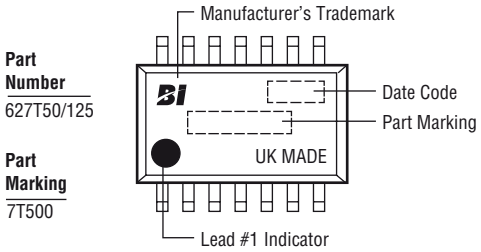
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Model 627 T Series

Typical Part Marking



Packaging

Standard	Tape & Reel Conforms to requirements of EIA-481. All units oriented with lead #1 to the left of direction of feed.	
Tape	Width = Pocket = Pitch =	24mm Embossed Antistatic Plastic 12mm
Reel	Diameter = Capacity =	13" (330mm) Maximum 2,000 Units
Option:	Magazines Conforms to EIA and JEDEC standards. All units oriented with lead #1 to the same side.	
Magazine:	Capacity =	50 Units

Ordering Information

62 7 T 500 / 1250 TR4

Model

No. of Leads:
7 = 14 leads

Circuit Type:
T = V.35 Termination

Resistance Values

Standard Tape & Reel Packaging:
(No code used for Magazines.)

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