



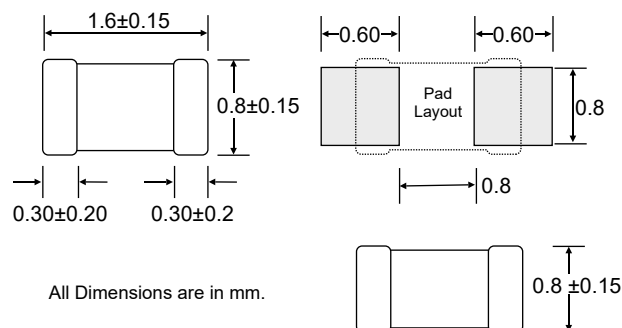
SMD MultiLayer Inductors TLZ1608SG Series



Features

- Low DCR with High I_{DC}
- Multilayer Ferrite Chip Inductor
- Used in Mobile communications, Wireless LAN, Tuners Smart phones, Tablets and other High Frequency modules
- Operating Temperature: -55°C to $+125^{\circ}\text{C}$
- Storage Temperature: -55°C to $+125^{\circ}\text{C}$
- Halogen-free & RoHs compliant

Dimensions



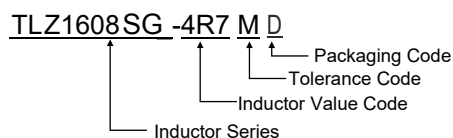
Electrical Characteristics @20°C

Part Number	Inductance (uH)	Tolerance	Test Freq./Current (MHz / mA)	DCR (Ω Typ.)	$I_{sat}^{(1)}$ (mA Typ.)	$I_{Rated}^{(2)}$ (mA Typ.)
TLZ1608SG-1R0M	1	$\pm 20\%$	2 / 0.1	0.11	140	700
TLZ1608SG-2R2M	2.2	$\pm 20\%$	2 / 0.1	0.18	110	500
TLZ1608SG-4R7M	4.7	$\pm 20\%$	2 / 0.1	0.32	80	400
TLZ1608SG-100M	10	$\pm 20\%$	2 / 0.1	0.6	60	300
TLZ1608SG-220M	22	$\pm 20\%$	2 / 0.1	1.65	50	190

Notes:

- (1) Current when inductance decreased by 50% from initial value due to DC current.
 (2) Rated Current when product temperature reaches $+20^{\circ}\text{C}$.

Part Numbering



- Resistance to solder heat: 260°C
- Ordering Information:
 - TLZ1608x-xxxxD- 180mm Paper Tape $T=1.1$ (4,000pcs/reel)
 - TLZ1608x-xxxxJ - 330mm Paper Tape
 - TLZ1608x-xxxxB - Bulk (Bag)
- Tolerances $M=\pm 20\%$
- Weight = 4mg