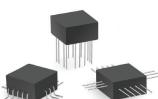
MIL-STD-1553 TRANSFORMERS

Low Profile, Stacked Dual THT & SMT Non-QPL Interface Transformers

Ruggedized



Summary Performance Specifications			
Droop	20% MAX		
Overshoot	±1V MAX		
Common Mode Rejection (CMR)	45dB MIN		
Frequency Range (no load)	75kHz - 1MHz		
Insulation Resistance (MIN)	10K MΩ @ 250Vdc		
Dielectric Withstanding Voltage	100Vrms		
Prefix	SLQT (Through-Hole), SLQF (Flat-Pack), SLQG (Gull-Wing)		



These Non-QPL interface transformers are built and tested in ISO 9001 approved facilities.

- Through-Hole, Flat-pack and Surface Mount Configurations
- Conform to all electrical and physical parameters of MIL-PRF-21038/27
- Operating & Storage Temperature: -55°C to +130°C
- Moisture Sensitivity Level:
 - Through-Hole: 1Surface Mount: 3
- Applicable Specifications:MIL-STD-1553B

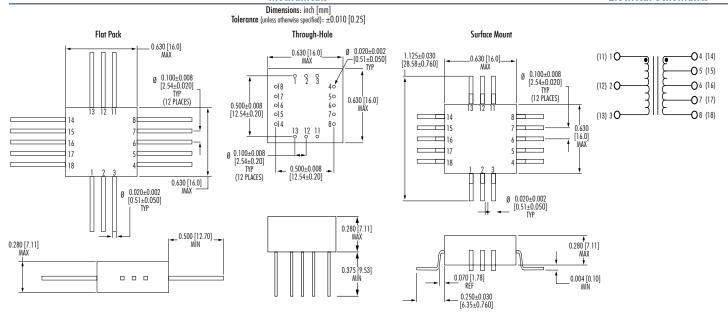
 - MIL-STD-202 0
 - MIL-PRF-21038 0
 - ISO 9001 0

Electrical Specifications				
Part Number	Terminal	Ratio	RDC MAX	Impedance MIN
Number	Configuration	(±3%)	(Ω)	(Ω)
(XXXX)1553-1	1-3:4-8 / 11-13:14-18	1 CT: 1 CT	1-3, 11-13 = 3.5	(1-3, 11-13)
	1-3:5-7 / 11-13:15-17	1 . 40 CT: 1 CT	4-8, 14-18 = 3.5	4,000
(XXXX)1553-2	1-3:4-8 / 11-13:14-18	1.40CT:1CT	1-3, 11-13 = 3.5	(1-3, 11-13)
	1-3:5-7 / 11-13:15-17	2CT:1CT	4-8, 14-18 = 3.2	7,200
(XXXX)1553-3	1-3:4-8 / 11-13:14-18	1.25CT:1CT	1-3, 11-13 = 3.2	(1-3, 11-13)
	1-3:5-7 / 11-13:15-17	1.66CT:1CT	4-8, 14-18 = 3.0	4,000
(XXXX)1553-5	1-3:4-8 / 11-13:14-18	1CT:2.12CT	1-3, 11-13 = 1.0	(4-8, 14-18)
	1-3:5-7 / 11-13:15-17	1CT:1.50CT	4-8, 14-18 = 3.5	4,000
(XXXX)1553-45	1-3:4-8 / 11-13:14-18	1 CT: 2.50CT	1-3, 11-13 = 1.0	(4-8, 14-18)
	1-3:5-7 / 11-13:15-17	1 CT: 1.79CT	4-8, 14-18 = 3.5	4,000

NOTES:

1. Replace (XXXX) from the part number in the table with the desired prefix: SLQT, SLQF, SLQG.

Electrical Schematics Mechanicals





MIL-STD-1553 TRANSFORMERS

Low Profile, Stacked Dual THT & SMT <u>Non-QPL</u> Interface Transformers Ruggedized



MIL-PRF-21038/27 Inspection, Sampling, Testing

	Table 1 - Group A Inspection				
Level	"C" **	Level "M"		Level "T"	
Tests	Sampling Plan	Tests	Sampling Plan	Tests	Sampling Plan
N/A	N/A	Electrical Characteristics per MIL-PRF-21038/27	Sample per Table 3	Thermal Shock	100%
N/A	N/A	Visual & Mechanical Inspection	Sample per Table 3	Winding Continuity	100%
N/A	N/A	N/A	N/A	Electrical Characteristics per MIL-PRF-21038/27	100%
N/A	N/A	N/A	N/A	Impedance	Sample per Table 3
N/A	N/A	N/A	N/A	Visual & Mechanical Inspection	Sample per Table 3

Table 2 - Group B Inspection					
Level	" C " **	Level "M"		Level "T"	
Tests	Sampling Plan	Tests	Sampling Plan	Tests	Sampling Plan
N/A	N/A	Dielectric Withstanding Voltage	Sample per Table 3	Dielectric Withstanding Voltage	Sample per Table 3
N/A	N/A	Insulation Resistance	Sample per Table 3	Insulation Resistance	Sample per Table 3

Table 3 - Sampling Plans for Group A and Group B Inspections			
Lot Size	Group A, Group II Inspections	Group B	
1 to 5	All	All	
6 to 13	All	5	
14 to 50	13	5	
51 to 90	13	7	
91 to 150	13	11	
151 to 280	20	13	
281 to 500	29	16	
501 to 1,200	34	19	
1,201 to 3,200	42	23	
3,201 to 10,000	50	29	

[&]quot;Parts ordered to Level C are certified to comply with MIL-PRF-21038 Level C, however testing is performed per manufacturer's internal requirements and sampling rates.



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