



PIEMME ELEKTRA SRL

TRASFORMATORI

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Updates:

Rev.	Modifications	Date	Approval
01	EMISSION	20/03/24	Maurizio Parlione
00	DRAFT	19/03/24	Maurizio Parlione



SPECIFICATION / DATA SHEET

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Electrical Properties:

Proproperties		Test Conditions	Value	Unit	Tol.
Number of windings	N	-	3	-	-
Rated Power	P		2.7	VA	
Working frequency	F		400	Hz	+/-10%
Transient Working frequency	Fmax	Load 1.5W @115V	400	Hz	+/- 20%
Steady State Working Voltage	Vp		115	V	+/- 15%
Abnormal Voltage Transient	Vpk1	1 S	160	V	Max
Transient primary Volatage	Vpk2	100mS	180	V	Max
Primary no-load Current	Io	115V +/-0.5V 400Hz	2	mA	Max
Primary no-load consuption	Wo	115V +/-0.5V 400Hz	0.15	W	Max
Primary DC resistance	RdcP	DC @ 20°C	265	Ohm	Max
Sec1 no-load voltage	Vs1o	115V +/-0.5V 400Hz	16.4	V	+/- 2%
Sec1 Rated Current	Ir1		160	mA	Typ.
Sec1 Load Regulation @ 160mA	VI1	115V 400Hz	13.9	V	+/- 3%
Sec1 DC Resistance	RdcS1	@ 20°C	8.5	Ohm	Max
Sec2 no-load voltage	Vs2o	115V +/-0.5V 400Hz	12.5	V	+/- 2%
Sec2 Rated Current	Ir2		45	mA	Typ.
Sec2 Load Regulation @ 45mA	VI2	115V 400Hz	11.0	V	+/- 3%
Sec2 DC Resistance	RdcS2	@ 20°C	11.5	Ohm	Max
Total Power Loss @ 115V 400Hz	Wt	@ 70°C – 0.2A load	0.7	W	Max
Dielectric Strength PRI/SEC1+SEC2	Vt	50Hz/1mA/10 sec	1500	Vac	-
Dielectric Strength SEC1/SEC2	Vt	50Hz/1mA/10 sec	100	Vac	-
Insulation resistance	Ir	500VDC	10	MOhm	Min


Certification/Compliance:

RoHS 	Compliant (2011/65/EU &2015/863)
REACH 	Conform or declared (EC 1907/2006)
Flammability	UL94-V0 Compliant
MIL-PFR-27 – Transformer and Inductor – General Specification For	Compliant
EN 61558-1 / EN61558-2-20	
MIL-STD-202 – Test Metod Standard – Electronic end Electrical Component Parts	
IPC-A-610D – Acceptability of Electronic Assemblies	

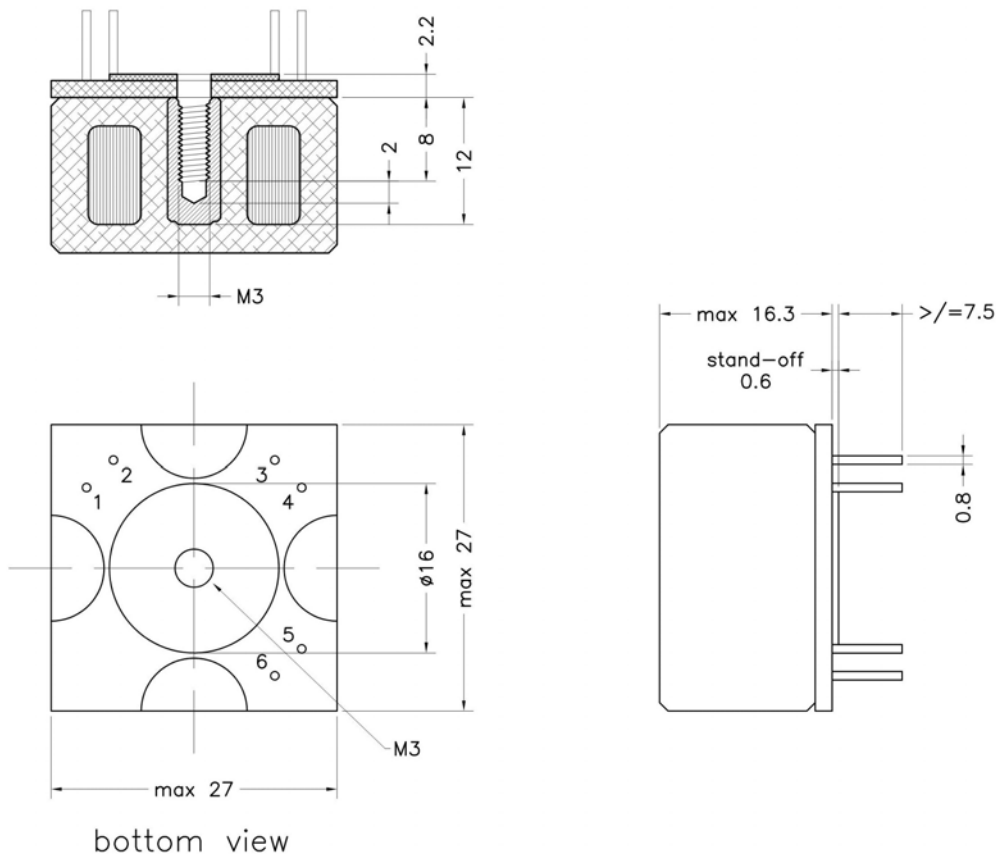
General Properties:

Ambient Temperature (referring to Ir)	-40 up to +85°C
Operating Temperature	-40 up to +125°C
Temperature Rise	Max 40°C
Storage Conditions (in original packaging)	< 55°C
Altitude	70.000 ft
Weight	35gr typ.

All values and tolerance refer to room temperature if not specified differently

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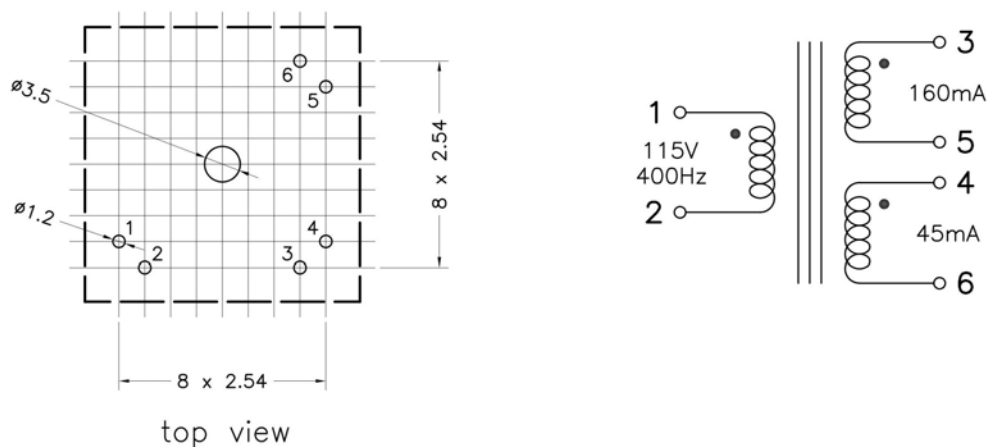
Dimensions (mm):



Dimensions in millimeters


General Tolerance DIN ISO 2768-C

Schematic and Recommended Hole Pattern (mm):



Dimensions in millimeters

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