



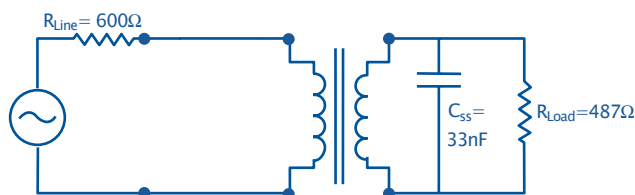
EMIT-1168

ELECTRICAL PERFORMANCE SPECIFICATIONS

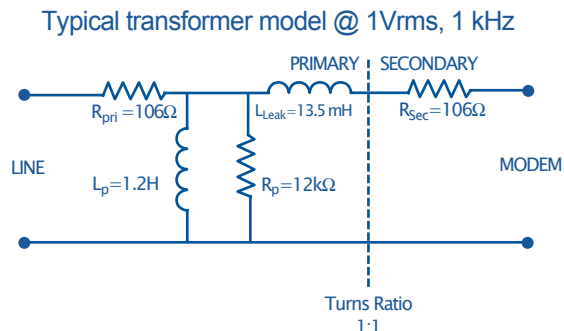
Performance	Conditions	Min	Typ	Max	Units
Impedance	Reflected on Primary with load on Secondary		600 487		Ohms
Total Harmonic Distortion	@ 600 Hz, -10 dBm		-67	-60	dB
Insertion Loss	Per IEEE method; @2000 Hz		1.75	2.00	dB
Return Loss	200 Hz – 4000 Hz Per 600 Ohm Match (Fig.3) Per CTR21 Pan-Euro Match (Fig.5)	16 25			dB
Dielectric Breakdown Isolation Production methods applied:	Safety Standard tested 1 min. HiPot Voltage Duration Trip Leakage Current	3000 3750 2			Vrms Vrms Sec μA
Frequency Response	200 Hz – 4000 Hz		±0.30		dB
Longitudinal Balance	Per FCC part 68.310 60 Hz – 1000 Hz 1000 Hz – 4000 Hz	60 40			dB
DC Resistance @ 20°C, ±10%	Primary winding Secondary winding		106 106		Ohms
DC current in Primary			0		mADC
Turns Ratio	Primary to Secondary; ±2%		1:1		Turns
Operating temperature		-40		105	°C
Storage temperature		-40		125	°C
Soldering temperature	10 Sec. Max			260	°C

Electrical Performance Specifications (TA = 25°C unless otherwise specified)

600 OHM MATCH (FIG.3)



SCHEMATIC EQUIVALENT (FIG.4)



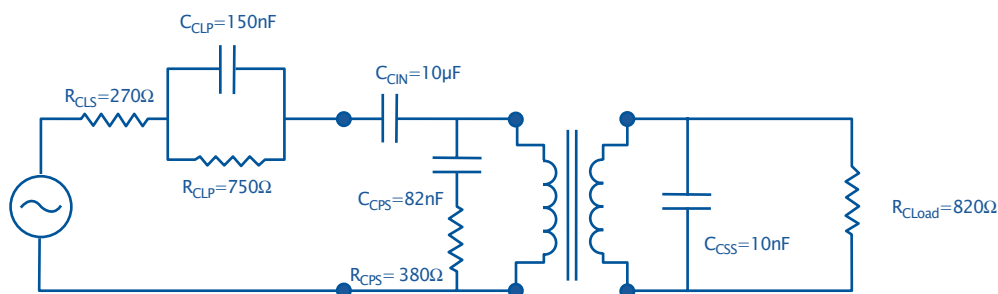
Sumida Corporation makes no assertion on warranty that the circuitry and the uses thereof disclosed herein are non-infringing on any valid US or foreign patents. Sumida assumes no liability as a result of the use of said specifications and reserves the right to make changes to specifications without notice. Sumida does not authorize or warrant any Sumida device for use in life support devices and/or systems. Contact your nearest Sumida Sales Office for the latest specifications.

Literature number: EMIT 1168 ©Copyright 2001, Sumida Corporation All rights reserved. Printed in U.S.A. 10/01

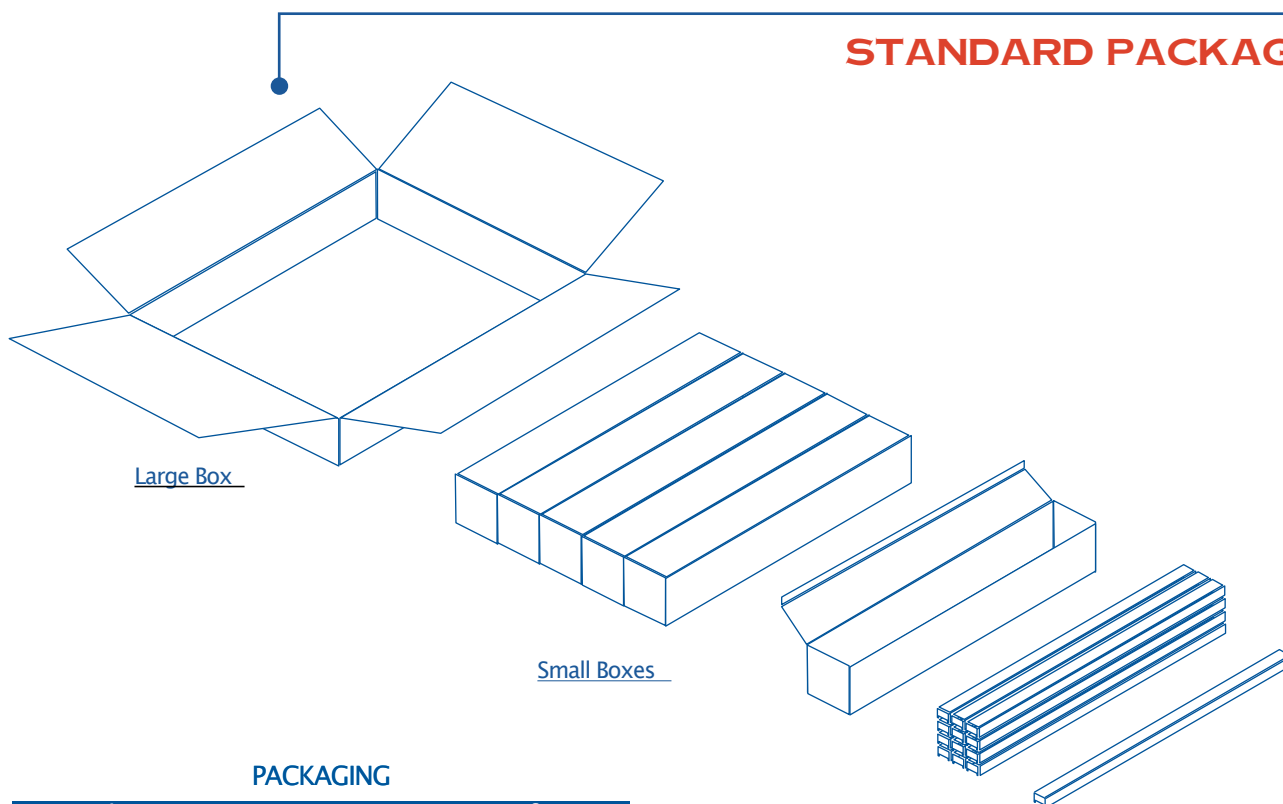


PAN-EUROPEAN CTR21 MATCH (FIG.5)

(Application circuits available on request for specific national match requirements.)



STANDARD PACKAGING (FIG.6)

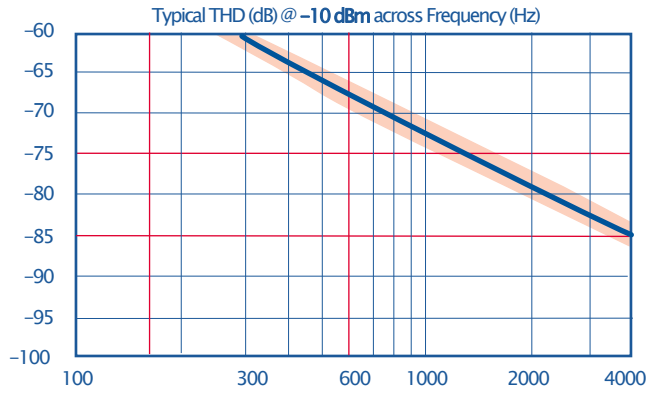


PACKAGING

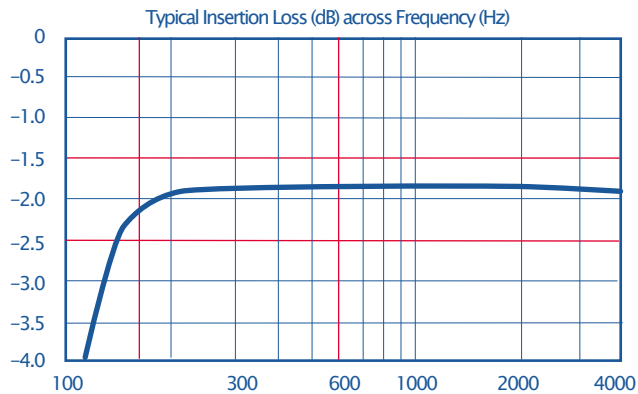
Material	Contents	#Transformers
Large Box	5 Small Boxes	1860
Small Box	12 Tubes	372
Tray	31 Transformers	31
	Transformer	1

PERFORMANCE DATA

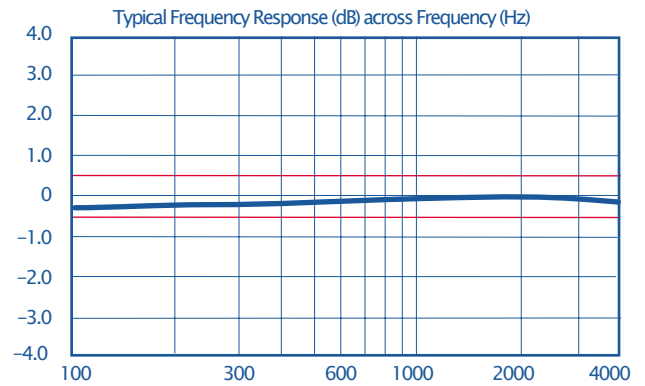
TOTAL HARMONIC DISTORTION



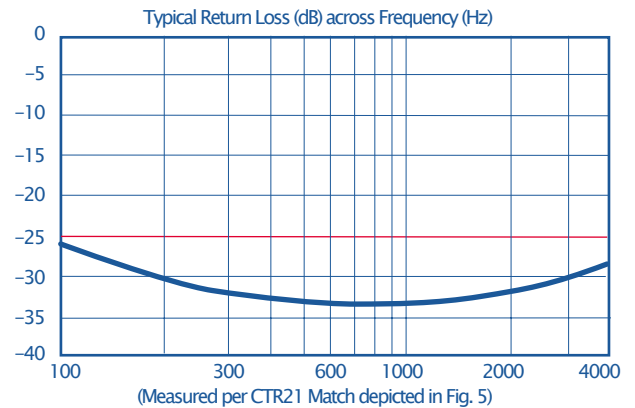
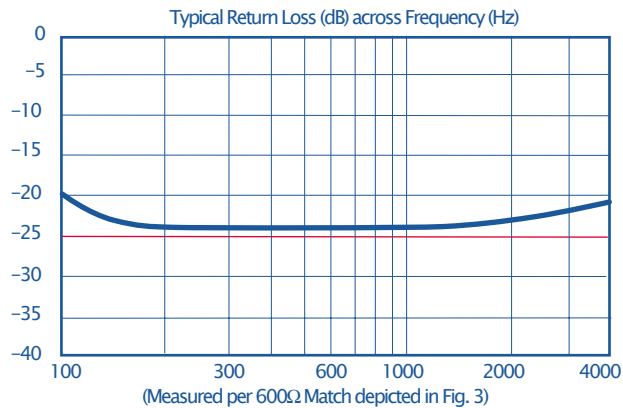
INSERTION LOSS



FREQUENCY RESPONSE



RETURN LOSS



Literature number: EMIT 1168 ©Copyright 2001, Sumida Corporation All rights reserved. Printed in U.S.A. 10/01

www.sumida.com

- North America

Tel. 1 847 545 6700

Fax. 1 847 545 6720

- Hong Kong

Tel. 852 2880 6688

Fax. 852 2565 9600

- Europe

Tel. 32 89 328850

Fax. 32 11 300890

- Singapore

Tel. 65 296 3388

Fax. 65 296 3390

- Taiwan

Tel. 886 2 2523 6368

Fax. 886 2 2523 6369

- Japan

Tel. 813 3980 2212

Fax. 813 3980 2213