

AUDIO TRANSFORMERS - MIL - T-27E

Description:

TRIAD high reliability audio transformers from Triad Magnetics provide the durability and precision required in today's demanding designs. These transformers are available for a wide variety of applications. The line of Red Spec audio transformers is designed and constructed to meet the rigid requirements of MIL-T-27E. These transformers feature an epoxy molded case, gold plated leads and exceptional operation from 300 Hz to 150 kHz.

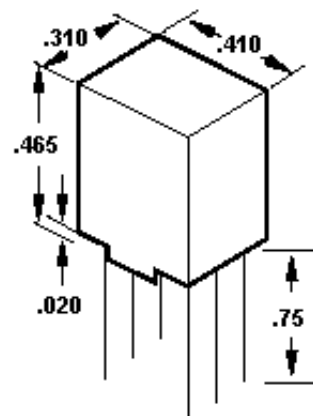
You Searched for product number SP-13.

Product number SP-13 is the associated Triad Magnetics product.

The Triad Magnetics product is highlighted below.

Specifications:

Frequency Response Ranges: 300 Hz to 100kHz



Red Spec
(MIL-T-27E)

Type No.	Mil Type No.	Power Level in mW	Matching Impedance		Max. Ma DC Unbalanced in Primary	DC Resistance		Overall Turns Ration	Figure No.
			Primary	Secondary		Primary	Secondary		
SP-4	TF5S21ZZ	10	200,000 CT	1,000 CT	0.0	5,300.0	100.0	14.1:1.0	3
SP-5	TF5S21ZZ	25	50000 CT	1000 CT	0.0	3,800.0	75.0	7.1:1.0	3
SP-13	TF5S21ZZ	40	25000 CT/20000 CT	1000/800 CT	0.5	1,700.0	115.0	5.0:1.0	3
SP-20	TF5S21ZZ	50	10000 CT	1200 CT	1.0	1,050.0	200.0	2.88:1.0	3
SP-21	TF5S21ZZ	50	10000 CT	2000 CT	1.0	1,050.0	330.0	2.24:1.0	3
SP-22	TF5S21ZZ	50	10000	2000 CT/500Å	1.0	1,050.0	146.0/168.0	4.48:1.0:1.0	4
SP-29	TF5S21ZZ	50	10000 CT	500 CT	1.0	1,050.0	80.0	4.47:1.0	3
SP-33	TF5S21ZZ	50	1000	50	3.0	145.0	8.0	4.4:1.0	1
SP-42	TF5S21ZZ	50	150 CT	12	10.0	18.0	2.7	3.54:1.0	2
SP-48	TF5S21ZZ	50	7500 CT	12	1.0	796.0	2.9	25.0:1.0	2
SP-49	TF5S21ZZ	50	300	600	7.0	41.0	98.0	1.0:1.42	2
SP-50	TF5S21ZZ	50	500 CT	600	3.0	67.0	98.0	1.0:1.1	2
SP-51	TF5S21ZZ	50	900 CT	600	4.0	104.0	96.0	1.22:1.0	2
SP-52	TF5S21ZZ	50	1500 CT	600	3.0	168.0	92.0	1.58:1.0	2
SP-66	TF5S21ZZ	50	10,000 CT	10,000 CT	1.0	1,000.0	1,300.0	1.0:1.0	3
SP-67	TF5S21ZZ	50	600 CT	600 CT	3.0	72.0	92.0	1.0:1.0	3
SP-68	TF5S21ZZ	50	10,000	10,000 CT/2,500*	1.0	1,000.0	565.0/650.0*	2.1:1.0	4
SP-69	TF5S21ZZ	50	600	600 CT/150*	3.0	72.0	40.0/45.0*	2.0:1.0:1.0	4
SP-70	TF5S21ZZ	50	600	600	3.0	72.0	92.0	1.0:1.0	1
SP-128	TF5S20ZZ	-	0.1H	-	5.0	15.0	-	-	5
SP-310	Shield Only	-	0.1H	-	5.0	15.0	-	-	-

* Split secondary

CT=Center Tap

TECHNICAL NOTES:

1. Plug-in terminals are precision spaced to provide fixed mounting centers.
2. Red Spec transformers are hi-pot tested at 1,000 VRMS.
3. 150 VDC working voltage.
4. Red Spec transformers feature small footprint base dimensions of .310 by .410 inch.

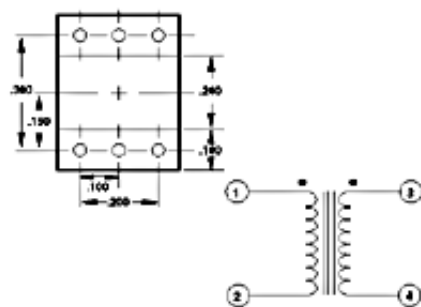


Figure 1

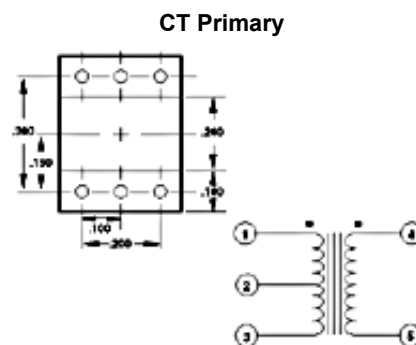


Figure 2

Tap Primary - Tap
Secondary

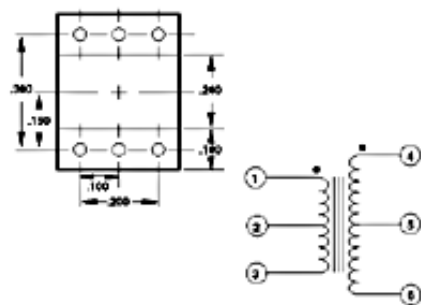


Figure 3

Split Windings

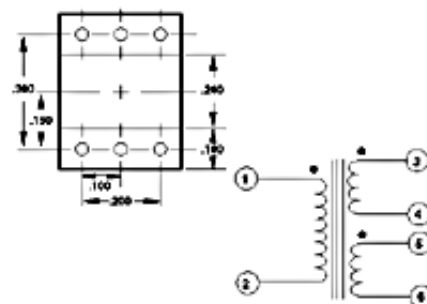


Figure 4

Inductor

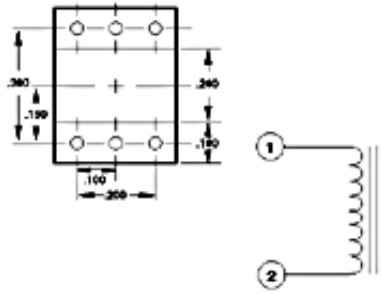


Figure 5

TRIAD
MAGNETICS