

# Power Systems & Controls

## Series DTS - Isolation Transformers



The Series DTS are designed with Delta primary and Wye secondary windings to supply isolated power to sensitive computer based equipment. The Series DTS are designed to meet or exceed the U. S. Government telecommunications standards. The Series DTS have multiple voltage capability on both the input and

the output. The Series DTS come equipped with an electrostatic shield for noise attenuation as well as surge protection and are capable of operation at either 50 or 60 Hz with no drop in the capacity rating. The standard Series DTS is supplied with copper windings and a high grade, low loss oriented silicon steel core for higher reliability and higher efficiency. The Series DTS are also supplied with multiple taps for maximum flexibility in adjusting to variable or unknown supply voltages.

### Standard Equipment Features

- Electrostatic shield
- 50 and 60 Hz rated
- Isolation between primary and secondary
- 4 taps –2 full capacity above nominal & 2 full capacity below nominal
- NEMA-1 enclosure
- Input: 3 wire - 480, 415, 380, 208 Delta
- Output: 4 wire - 480/277, 380/220, 208/120 Wye
- Class "H" insulation
- Floor mount
- ANSI C-89.2
- UL 506
- USAS C-57
- NEMA ST-1, ST-20
- NEMA TR-1, TR-27

### Optional Features

- Dual Shield
- Triple Shield
- K-Ratings Up to K20
- Nema-3R
- Wall Mount
- Single phase model
- Custom Sizes Available



# System Specifications

INPUT						OUTPUT	
Nominal Voltage Available						Nominal Voltage Available	
➤ @ 60 Hz		208, 240, 480, 600				➤ @ 60 Hz	
➤ @ 50 Hz		380, 415				➤ @ 50 Hz	
➤ Phase		3 Phase 3 Wire + Ground				➤ Phase	
➤ Frequency Tolerance		47 to 63				➤ Voltage Compensation Taps	
Series DTS Ratings, Dimensions & Weights						➤ Output Impedance	
MODEL	KVA	L	W	H	(LBS)	➤ Common Mode Noise	
DTS3XTMV-K13	3	23	22.5	15	200	➤ Transverse Mode	
DTS7.5XTMV-K13	7.5	23	22.5	15	170	THD (Total Harmonic Distortion)	
DTS7.5XTMV-K13	7.5	23	22.5	15	205	➤ Total	
DTS10XTMV-K13	10	23	22.5	15	250	Shielding Options	
DTS15XTMV-K13	15	23	22.5	15	275	➤ Standard Shielding	
DTS25XTMV-K13	25	28	26	18	525	➤ Double Shielding	
DTS30XTMV-K13	30	28	26	18	585	➤ Triple Shielding	
DTS45XTMV-K13	45	28	26	18	700	Overload Capacity	
DTS50XTMV-K13	50	28	26	18	720	➤ 100% Rating	
DTS62.5XTMV-K13	62.5	28	26	18	800	➤ 500% Rating	
DTS75XTMV-K13	75	36	33	21	1000	➤ 1000% Rating	
DTS100XTMV-K13	100	36	33	21	1400	<b>ENVIRONMENT</b>	
DTS112XTMV-K13	112	36	33	21	1450	➤ Temperature	
DTS125XTMV-K13	125	46	43	28	1600	➤ Insulation	
DTS150XTMV-K13	150	46	43	28	1700	➤ Temp. Rise	
DTS175XTMV-K13	175	46	43	28	1900	➤ Altitude	
DTS200XTMV-K13	200	46	43	28	2100	➤ Humidity	
DTS250XTMV-K13	250	61	57	38	2450	➤ Noise Level	
DTS300XTMV-K13	300	61	57	38	2800		
DTS350XTMV-K13	350	61	57	38	3600		
Other Sizes Available - Consult factory							

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