MIL-STD 1553 Interface Transformers - DBIT x 7 P(A)

- In accordance to MIL-STD 1553 A & B
- Meet all the electrical requirements of Manchester II serial bi-phase data transmission, 1 MHz operation
- Epoxy molding in accordance with outgassing requirements of ECSS-Q-ST-70-02C
- Qualified EPPL
- Open-circuit impedance greater than 4 kΩ over 75 KHz to 1 MHz working frequency
- Frequency range 75 KHz to 1 MHz
- Operating temperature range: –55°C up to +150°C
- Weight: < 5 grams

Electrical Data (25°C)

ID Code	Turn ratio 1-3 : 4-8	Turn ratio 1-3 : 5-7	DCR max. (Ω) 1-3	DCR max. (Ω) 4-8	Primary Inductance (mH) min at 75 kHz-1V	Open Circuit Impedance Min (kΩ)	Operating temperature range
DBIT 1 7P*	1,4:1	2:1	2	1,6	7 (1-3)	3	–55°C +125°C
DBIT 2 7P*	1:1	1:0,707	2	2,2	7 (1-3)	3	–55°C +125°C
DBIT 3 7P*	1,2:1	1,67:1	2	2	7 (1-3)	3	–55°C +125°C
DBIT 4 7P*	1:2,5	1:1,74	1	2,2	7 (4-8)	3	–55°C +125°C
DBIT 5 7P*	1:2,5	1:1,79	1	2,2	7 (4-8)	3	–55°C +125°C
DBIT 6 7P*	2,3:1	3,2:1	2	1	7 (1-3)	3	–55°C +125°C
DBIT 7 7P*	1,25:1	1,66:1	2	2	7 (1-3)	3	–55°C +125°C
DBIT 8 7P*	1:2,12	1:1,5	1	2,2	7 (4-8)	3	–55°C +125°C
DBIT 1 7PA	1,4:1	2:1	1,23	1,1	7 (1-3)	4	–55°C +150°C
DBIT 2 7PA	1:1	1:0,707	1,23	1,6	7 (1-3)	4	–55°C +150°C
DBIT 3 7PA	1,2:1	1,67:1	1,23	1,4	7 (1-3)	4	–55°C +150°C
DBIT 5 7PA	1:2,5	1:1,79	0,6	1,4	7 (4-8)	4	–55°C +150°C
DBIT 6 7PA	2,3:1	3,2:1	1,23	0,8	7 (1-3)	4	–55°C +150°C
DBIT 7 7PA	1,25:1	1,66:1	1,23	1,25	7 (1-3)	4	–55°C +150°C
DBIT 8 7PA	1:2,12	1:1,5	0,7	1,4	7 (4-8)	4	–55°C +150°C

*** EPPL products - Detail Specifications MSP003**

To Order

DBIT # 7PA

DBIT	#	7	P	A
Range	Part 1 to 8	Case height 7	x = **P** Pins	New version

Notes

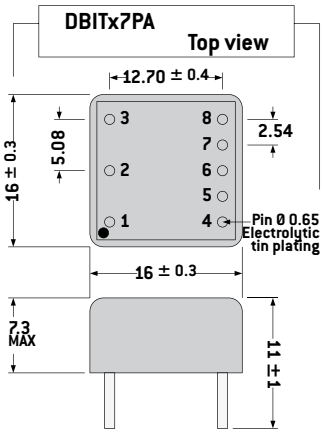
Common mode rejection: 45 dB min.

Dielectric withstanding voltage: 500 Vrms.

Insulation resistance: 1,3 - 4,8 500 V_{DC} >1000 MΩ

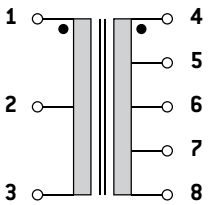
tolerance ratio ± 3 %.

Typical Dimensions (mm)

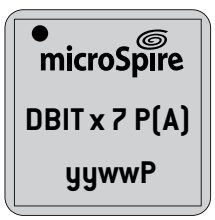


Connections

Dot for pin "1"



Marking



yyww :
Date code

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