

Flyback Transformer for Automotive

Model name

TR11-A-S

MinebeaMitsumi
Passion to Create Value through Difference

RoHS

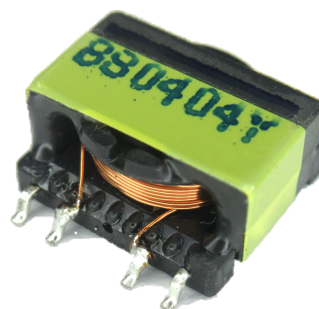
Halogen
Free

Lead
Free

AEC-Q200

FEATURES

- High voltage isolation
- Small size
- Operation temperature range : -40°C to 125°C
- Applicable for AEC-Q200

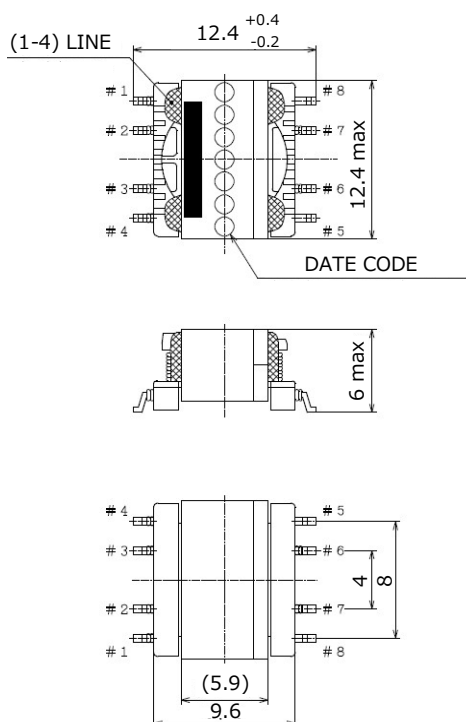


APPLICATION

- For inverter module system.

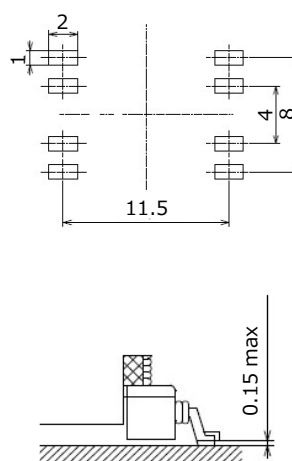
DIMENTION

- Size (L x W x H) : 12.8mm x 12.4mm x 6.0mm (MAX)



Unit : mm / Tolerance : ± 0.2

(Land Pattern)



Note.

Products in this catalog are subjected to any modification in their appearance and others for improvement purposes without prior notification. Please confirm your specification when using this product.

<https://www.minebeamitsumi.com/english/>

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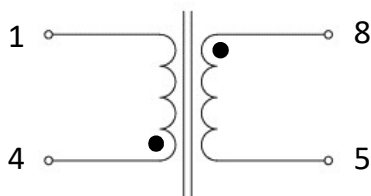
Lead
Free

AEC-Q200

IC refernce information

- Power supply for IGBT gate driver IC
 - IC maker : Broadcom
 - IC model name : ACPL-32JT
 - Mitsumi model name : TR11-A-S
 - Mitsumi sample number : DR12-C318

SCHEMATIC



ELECTRICAL CHARACTERISTIC

PARAMETER	TERMINALS	SPECIFICATION	CONDITION
INDUCTANCE	(1-4)	60μH±25%	f=1kHz
	(5-8)	240μH Typ.	f=1kHz
DCR	(1-4)	620mΩ Max.	—
TURNS RATIO	Pri : Sec	1 : 2	—
WITHSTAND VOLTAGE	Pri : Sec	2.5kV	1 minute

*Operation temperatuer range : -40℃ to 125℃

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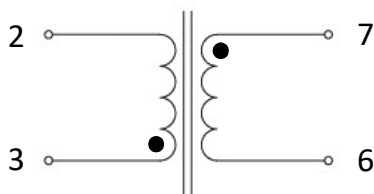
Lead
Free

AEC-Q200

IC reference information

- Power supply for IGBT gate driver IC
 - IC maker : Broadcom
 - IC model name : ACPL-33JT, ACFJ-3530T, ACFJ-3531T, ACFH-3548T
 - Mitsumi model name : TR11-A-S
 - Mitsumi sample number : DR12-C303

SCHEMATIC



ELECTRICAL CHARACTERISTIC

PARAMETER	TERMINALS	SPECIFICATION	CONDITION
INDUCTANCE	(3-2)	8.7μH±20%	f=100kHz
	(7-6)	140μH Typ.	f=100kHz
DCR	(3-2)	125mΩ Typ.	—
TURNS RATIO	Pri : Sec	1 : 4	—
WITHSTAND VOLTAGE	Pri : Sec	2.5kV	1 minute

*Operation temperature range : -40℃ to 125℃

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