The diode of RF-B45 which is the power supply part - MA724 TX

Picture 1 The circuit diagram of RF-B45

My question is about the shape of the diode (D15). The part is on the battery and AC input .

Picture 2 This data sheet of MA-724TX. 2ch stand-alone diode.

There are 2 terminals on upside and downside.

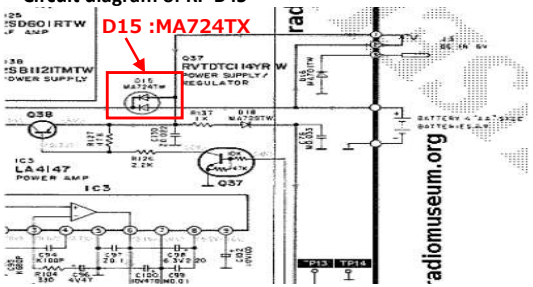
Picture 3 This picture is the board of my RF-B45 and the part circle in red is MA724.(D15)

However **this shape is different from the datasheet.** It seems that there is a common terminal.

There are 3 terminals on left side and 1 terminal on right side.

I would like to know what the difference between pcture 2 and picture 3??

*Circuit diagram of RF-B45



Picture 1

Schottky Barrier Diodes (SBD) **Panasonic**

MA4X724 (MA724)

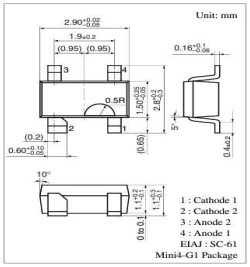
Diode: 2ch Structure

Silicon epitaxial planar type

For super high speed switching
For small current rectification

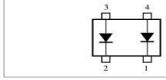
■ Features

- Two isolated elements are contained in one package, allowing high-density mounting
- Two MA3X721 (MA721) is contained in one package (of a type in the same direction)
- $I_{F(AV)}$ = 200 mA rectification is possible
- Mini type 4-pin package



Marking Symbol: M1T

Internal Connection

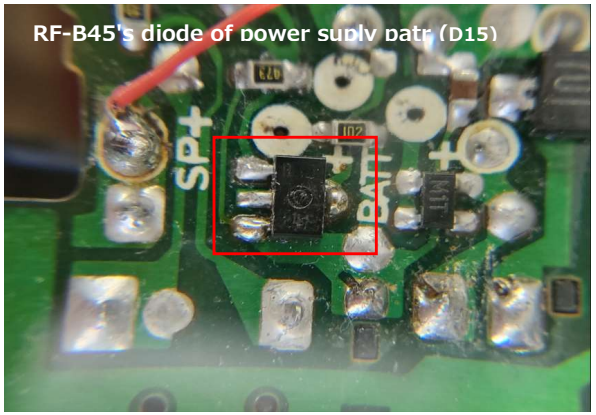


■ Absolute Maximum Ratings T_a = 25°C

Parameter		Symbol	Rating	Unit
Reverse voltage (DC)		V_R	30	V
Repetitive peak reverse-voltage		V_{RRM}	30	V
Peak forward current	Single	I_{FM}	300	mA
	Double *1		225	
Average forward current	Single	$I_{F(AV)}$	200	mA
	Double *1		150	
Non-repetitive peak forward-surge-current *2	Single	I_{FSM}	1	A
	Double *1		0.75	
Junction temperature		T_j	150	°C
Storage temperature		T_{stg}	−55 to +150	°C

Note) *1: Value per chip

Picture 2



Picture 3