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## Technical Note TN-786

### T828 Q2 Component Changes

29 July 2003

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#### Applicability

This technical note applies to Series II T828-10-XXXX power amplifiers fitted with the SD1272 driver transistor. If the existing MRF234 needs to be replaced, the components listed below will need to be changed.

## 1. Introduction

#### Background

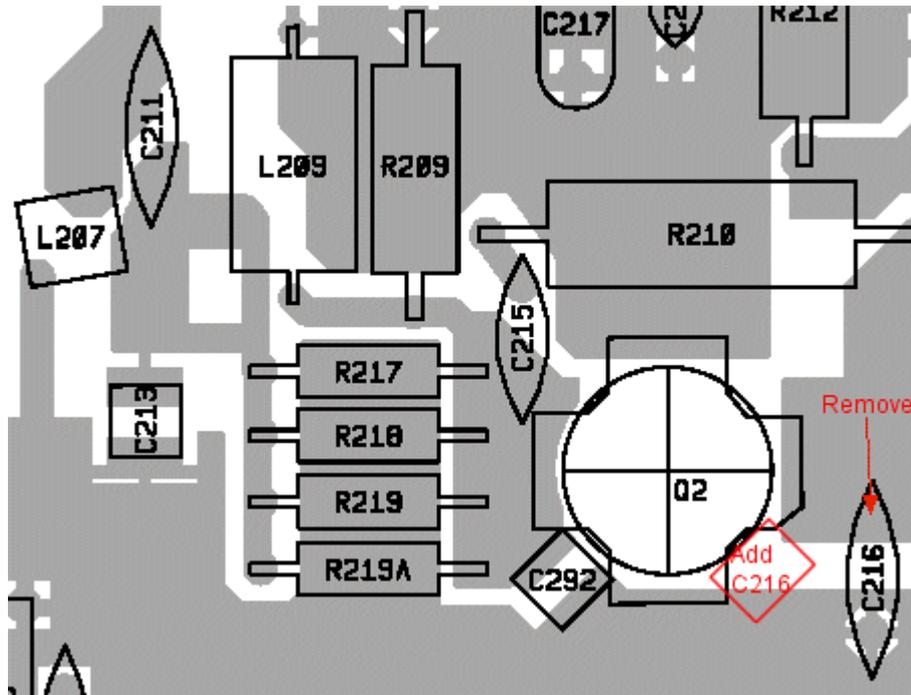
The MRF234 transistor used as the driver in the T828 is no longer available. The SD1272 (IPN 000-00127-20) has been found to be a suitable replacement with a number of component changes. This tech note details these changes which are not in the current manual (M820-00-2A0) at the time of publication of this tech note.

## 2. Component Changes

The following table lists the component changes:

Circuit Symbol	Current Component	Modified Component
Q2	MRF234 ipn: 000-00030-74	SD1272 ipn: 000-00127-20
C216	68pF ipn: 010-02680-00	150pF ipn: 015-03150-03
R217	1ohm ipn: 030-01100-10	2.2ohm ipn: 030-01220-00
R218	1ohm ipn: 030-01100-10	2.2ohm ipn: 030-01220-00
R219	1ohm ipn: 030-01100-10	2.2ohm ipn: 030-01220-00
R219A	1ohm ipn: 030-01100-10	2.2ohm ipn: 030-01220-00
L207	4.5T/3.0 ipn: 052-08130-45	2.5T/3.5 ipn: 052-08135-25
C211	120pF ipn: 011-53120-01	150pF ipn: 011-53150-01

Notes: C216 is removed and replaced with a chip cap as shown below. Other components are in their original locations.



### 3. Issuing authority

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